

Hydro. 5612 to 5660

May 29 to Aug 31, 1914

507

507

Hydro. 5612-5660

Mar. 29 - Aug. 31, 1914

Hyd 5612 to 5660

May 29 to Aug 31/1914

11  
 No. **507** Date, **May 29**, 19**14**  
 Hydrog. Sdg. Mch. **T. H.** Reel **T. H.** Shot Lead **25** lbs.  
 Turns **123** Cor'n \_\_\_\_\_ Depth **67** fms.  
 Sdg. Cup **Army** Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom **sd. gn. M.**  
 Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_  
 Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { **52°** Time **9:00 a** } Air { **56°** }  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_ }  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction **N. N. W.** Force **6**  
 Baromet. **30.28** Amt. of Clouds **1** State of Sea **R**  
 Weather **bc**  
 Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_  
 Tide \_\_\_\_\_  
 General Locality **Off Oregon coast**  
 Position **Heceta Light bears N 79 1/2° E (true) distant 28.1 miles**  
 Chart used: No. **6000** Ed'n \_\_\_\_\_  
 Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
 Depth of Haul \_\_\_\_\_  
 Apparatus and Rig used \_\_\_\_\_  
 Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
 Remarks: \_\_\_\_\_  
 Deck Officer **Mr. Glick** Recorder **C. R. Long**

SOUNDING WIRE.					FMS.	DREDGING CABLE.					
A. M. Down.		Up.	A. M.			M. Down.		Up.	M.		
9	00	10	9	03	00	0					
						100					
						200					
						300					
						400					
						500					
						600					
						700					
						800					
						900					
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						1100					
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						4000					
						4100					
						4200					
						4300					
						4400					
						4500					
						4600					
						4700					
						4800					
						4900					

12

Dredge } No. 5613 Date, May 29, 1914  
Hydrog. }

Sdg. Mch. T. N. Reel Shot Lead 25 lbs.

Turns 130 Cor'n Depth 70 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom sdgm M

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 9:20 Air { 68  
Time

Density: Surf. fms.

Wind: Direction N. N. W. Force

Baromet. 30.28 Amt. of Clouds 1 State of Sea R

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality off Oregon coast

Position Heceta Light bears N 79° E (true) distant 29.2 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. Glick Recorder C. C. Long

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
A. M. Down.			Up. A. M.			M. Down.		Up.		M.
9	16	00	9	18	30	0				
						100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
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						4000				
						4100				
						4200				
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						4700				
						4800				
						4900				



Dredge } No. 5614 Date, May 29, 1914  
 Hydrog. }  
 Sdg. Mch. T.M. Reel T.M. Shot Lead 25 lbs.  
 Turns 131 Cor'n Depth 71 fms.  
 Sdg. Cup Arming on lead Amt. Bot'm Sample  
 Character of Bottom sd gu M.

Thermom. { Make Cor'n { Instr.  
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 9:35 } Air { 58°  
 Time

Density: Surf. fms.

Wind: Direction N.W. Force 6

Baromet. 30.28 Amt. of Clouds 2 State of Sea R

Weather bc

Direction and Force of Current { Surface  
 Bottom

Tide

General Locality Off Oregon Coast

Position Heceta Light bears N 78 1/2 E (true) distant 30.2 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Pippo Recorder C. E. Long

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
A M. DOWN.		UP.	A M.		M. DOWN.		UP.	M.	
9	3250		9	30-00	0				
				100					
				200					
				300					
				400					
				500					
				600					
				700					
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				3900					
				4000					
				4100					
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				4800					
				4900					

14  
Dredge } No. 5225 Date, May 29, 1914  
Hydrog. }  
Sdg. Mch. T. 21 Reel 774 Shot Lead 25 lbs.  
Turns 146 Cor'n Depth 79 fms.  
Sdg. Cup Arminee Amt. Bot'm Sample  
Character of Bottom gn. M; sh.

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 9:50 } Air { 58°  
Time

Density: Surf. fms.

Wind: Direction N.N.W. Force 6

Baromet. 30.30 Amt. of Clouds - State of Sea R

Weather clear

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position Heceta Light bears N80°E (true) distant 31.4 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Time 9:50 A.M. Wet bulb 57.1 Dry bulb 58.0

Deck Officer Recorder

## SOUNDING WIRE.

9 M. Down. | Up. 9 M.

9 47 20 | 9 50.40

FMS.

## DREDGING CABLE.

M. Down. | Up. M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
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3100  
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3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

As per log chronometer  
checked E.C.J.  
Jan 17-1914

10-  
Dredge } No. 5666 Date, May 27, 1914  
Hydrog. }  
Sdg. Mch. T. H. Reel T. H. <sup>Handle</sup> 25 lbs.  
Lead  
Turns 187 Cor'n Depth 100 fms.  
Sdg. Cup Arming on Amt. Bot'm Sample  
Character of Bottom blk. sh. gravel

Thermom. { Make Cor'n { Instr.  
                  { No.                   { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 10:00 { Air { 57.0  
                  {                   {                   { Time

Density: Surf. fms.

Wind: Direction 7.4.5. Force 5

Baromet. 30.28 Amt. of Clouds 1 State of Sea R

Weather bc

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality off Cape Cod.

Position Heceta Light bears N 78° E (true) distant 32.7 miles.

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. R. Phipps Recorder R. B. Phipps

## SOUNDING WIRE.

M. Down.	Up.	G.	M.
10	07	40	20 06 00

FMS.

## DREDGING CABLE.

M. Down.	Up.	M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

~~Hydrog.~~ } No. 5617 Date, (Dec 22), 1914  
 Sdg. Mch. 771 Reel 771 Shot/Lead 20 lbs.

Turns 320 Cor'n Depth 170 fms.

Sdg. Cup Drawing Amt. Bot'm Sample

Character of Bottom Fine sand

Thermom. { Make Cor'n { Instr.  
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52 Time 10:25 Air { 51  
 Time

Density: Surf. fms.

Wind: Direction N.W. Force 5

Baromet. 30.25 Amt. of Clouds 1 State of Sea R

Weather bc

Direction and Force of Current { Surface  
 Bottom

Tide

General Locality

Position Heceta Light bears N 77° E (true) distant 33.0 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mrs. Phipps Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10	17	20	10	25	20	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2800			
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			3000			
			3100			
			3200			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



17

Hydrog. No. 5618 Date, Aug 27, 1914

Sdg. Mch. T. L. Reel Shot Lead 25 lbs.

Turns 228 Cor'n Depth 124 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 11:00 } Air { 56° Time

Density: Surf. fms.

Wind: Direction NNE Force 5

Baromet. 30.28 Amt. of Clouds 1 State of Sea R

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position Heceta Light bears N 76° E (true) distant 32.3 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

O M. Down. | Up. G M.

1049.05

FMS.

## DREDGING CABLE.

M. Down. | Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

18

Hydrog. } No. 5619 Date, July 27, 1914.

Sdg. Mch. T.H. Reel 11 Shot Level .25 lbs.

Turns 200 Cor'n Depth 100 fms.

Sdg. Cup *Lead* Amt. Bot'm Sample

Character of Bottom 22-2

Thermom.  $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$  \_\_\_\_\_ Cor'n  $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$  \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf.	{	Time	}	Air
	{	Time	}	

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction 70-72 06 Force 3-

Baromet. 30.25	Amt. of Clouds 1	State of Sea A
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Weather 

Direction and Force of Current.	{ Surface.....	.....
	{ Bottom .....	.....

General Locality ... *Chlorophanes* ...

Position Heceta Light bears  $N 77\frac{1}{2}^{\circ} E$  (true) distant 31.6 miles

Chart used: No. 6000 Ed'n.

*Drift: Direction* \_\_\_\_\_ *Distance* \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used -----

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: covered ford dory at 11:15  
after at 11:16, two persons  
in dory.

[illegible]

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

## SOUNDING WIRE.

A M. Down. Up. 3 M.

11 10 00 11 17 00

FMS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

## DREDGING CABLE.

A M. Down. Up. 3 M.

11 33 00 11 41 10

11 35 00 11 38 15

~~Hydrog.~~ } No. 5620 Date, Aug 29, 1911

Sdg. Mch. 7 N Reel 7 M Shot 7.5 lbs.

Turns 132 Cor'n Depth 74 fms.

Sdg. Cup Arming on lead Amt. Bot'm Sample 1

Character of Bottom Green mud

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 41 Time 7.20 } Air { Time

Density: Surf. fms.

Wind: Direction 1 Force 2

Baromet. 30.04 Amt. of Clouds 10 State of Sea C

Weather CC 7/1

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Cape Cod

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.		
M.	Down.	Up.	M.	M.		Down.	Up.	M.
9	24	40	9	28	0			
					100			
					200			
					300			
					400			
					500			
					600			
					700			
					800			
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					4200			
					4300			
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					4700			
					4800			
					4900			

Dredge } No. 3524 Date, Aug 28, 1912  
 Hydrog. }  
 Sdg. Mch. 7 IV Reel 11 Shot/Lead 25 lbs.  
 Turns 120 Cor'n Depth 65 fms.  
 Sdg. Cup Arm's Amt. Bot'm Sample  
 Character of Bottom Blk sand fine gravel  
 Thermom. { Make Cor'n { Instr. Stem.  
 { No.  
 Bottom Reading Cor'd Temp.  
 Temp. Surf. { 11 Time 11:55 Air { 57  
 { Time  
 Density: Surf. fms.  
 Wind: Direction 71.25 Force 2  
 Baromet. 3.002 Amt. of Clouds 10 State of Sea C  
 Weather O C f  
 Direction and Force of Current { Surface  
 { Bottom  
 Tide  
 General Locality 11.20  
 Position  
 Chart used: No. Ed'n  
 Drift: Direction Distance  
 Depth of Haul  
 Apparatus and Rig used  
 Time towing h. m.  
 Remarks:

Deck Officer

Recorder

11-1023

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

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700

800

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2200

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2400

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2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



~~Dredge~~ } No. 522 Date, July 27, 1911  
Hydrog. }  
Sdg. Mch. 77 Reel 77 Shot Lead 32 lbs.

Turns 102 Cor'n Depth 55 fms.

Sdg. Cup arming Amt. Bot'm Sample

Character of Bottom S

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:00 p } Air { 53 1/2 °  
Time

Density: Surf. fms.

Wind: Direction NE, W Force 4

Baromet. 29.99 Amt. of Clouds 10 State of Sea 77

Weather over

Direction and Force of Current { Surface  
Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Glick Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
M.	Down.	Up.	M.		M.	Down.	Up.	M.			
12	55	30	12	59	30						
					0						
					100						
					200						
					300						
					400						
					500						
					600						
					700						
					800						
					900						
					1000						
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					4900						

4

Hydrog. No. 5723 Date, Jan. 29, 1914

Sdg. Mch. TX Reel TX Shot Leads 32 lbs.

Turns 83 Cor'n Depth 45 fms.

Sdg. Cup amt. Amt. Bot'm Sample

Character of Bottom clay

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:15/6 } Air { 53°

Density: Surf. fms.

Wind: Direction NW W Force 4

Baromet. 29.99 Amt. of Clouds 10 State of Sea T

Weather over

Direction and Force of Current { Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. G. Recorder. H. H. 11-1023

## SOUNDING WIRE.

M. Dows. | Up. *Q* M.

*2700* | *1* // *60*

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
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3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

M. Down. | Up. M.

Dredge } No. 5624 Date, Aug 27, 1914  
Hydrog. }

Sdg. Mch. TN Reel TN Shot Lead 32 lbs.

Turns 66 Cor'n Depth 36 fms.

Sdg. Cup armin Amt. Bot'm Sample

Character of Bottom fine S

Thermom. { Make TN Cor'n { Instr. No. Stem.

Bottom Reading Z: 47° R: 46.5° Cor'd Temp.

Temp. Surf. { 48.2° Time 1:50 p } Air { 53° Time

Density: Surf. fms.

Wind: Direction NNW Force 4

Baromet. 30.00 Amt. of Clouds 10 State of Sea IT

Weather sm

Direction and Force of Current { Surface Bottom

Tide

General Locality off Coos Bay (Oregon Coast)

Position Humbqua River Light bears N 29° E (true) distant 8.1 miles  
Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 3 line net, 60 ft

Time towing h. m.

Remarks: At 1:24:00 towed down - hauled at 4:10:00  
At 1:24:20 " " down - hauled at 4:10:00

Deck Officer Mr. Glick Recorder J. J. [unclear]  
11-1023

## SOUNDING WIRE.

M. Down. Up. M.

1 19 45 1 21 10  
1 20 00 1 20 15

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

1 40 10 1 45  
1 41 20 1 46

White bottle

White bottle

White bottle

White bottle

Bridge } No. 6625 Date, Aug 10, 19  
Hydrog. }  
Sdg. Mch. T N Reel T N Shot Lead 10 lbs.

Turns Cor'n Depth 39 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 44° Time Air { 44°  
Time

Density: Surf. fms.

Wind: Direction 42 Force 2

Baromet. 30.62 Amt. of Clouds 1 State of Sea 2

Weather bcg

Direction and Force of Current { Surface  
Bottom

Tide

General Locality Off Long Island

Position

Chart used: No. Ed'n.

Drift: Direction Distance.

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



Dredge } No. 326 Date, Aug 30, 1900

Sdg. Mch. 100 Reel 7 Shot/Lead 22 lbs.

Turns Cor'n Depth 45 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 44 Time 2:38 Air { 54

Density: Surf. fms.

Wind: Direction N.W. Force 2

Baromet. 30.2 Amt. of Clouds 1 State of Sea 2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.		
M. Down.		Up.	M.			M. Down.	Up.	M.
7	36	10.	7	38	25			
7	36	35	7	36	45			

Trawl } No. 5627 Date, Aug. 30, 1914

Sdg. Mch. T.H. Reel T.H. Shot 32 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 44 fms.

Sdg. Cup Manning Amt. Bot'm Sample

Character of Bottom fine gy. s.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                   { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 47 Time 7:30-4 } Air { 65°  
                  {                   Time                   {                   

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N.W. Force 2-3

Baromet. 30.02 Amt. of Clouds 1 State of Sea 2nd

Weather bcy

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Off Oregon Coast

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing h. m.

Remarks:

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

9 M. Down. Up. 9 M.

M. Down. Up. M.

7 47 13-7 49-0  
 7 47 56-7 49-55-

0  
 100  
 200  
 300  
 400  
 500  
 600  
 700  
 800  
 900  
 1000  
 1100  
 1200  
 1300  
 1400  
 1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400  
 2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000  
 4100  
 4200  
 4300  
 4400  
 4500  
 4600  
 4700  
 4800  
 4900

4  
Bridge } No. 5628 Date, August 11, 1917  
Hydrog. }  
Sdg. Mch. P. N. Reel 871 Shot/Lead 32 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Mgy Sand

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 45 Time 8:01 A } Air { 55 }  
Time

Density: Surf. fms.

Wind: Direction N. W. Force 2

Baromet. Amt. of Clouds 1 State of Sea 2

Weather fog

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder C. A. Cook  
11-1023

## SOUNDING WIRE.

M. Down. | Up. | M.

801

023

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5679 Date, Aug 30, 1910  
Hydrog. }  
Sdg. Mch. T N Reel T N Shot Lead 25 lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 56 fms.  
Sdg. Cup Alarming Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom Grey sand -  
Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_             { Stem. \_\_\_\_\_  
Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
Temp. Surf. { 45 Time 8:12 A } Air { 55  
                    Time \_\_\_\_\_             } \_\_\_\_\_  
Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
Wind: Direction 71 W Force 3  
Baromet. 30.02 Amt. of Clouds 1 State of Sea 211  
Weather bcg  
Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_  
Tide \_\_\_\_\_  
General Locality Off Oregon Coast  
Position \_\_\_\_\_  
Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_  
Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
Depth of Haul \_\_\_\_\_  
Apparatus and Rig used \_\_\_\_\_  
Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
Remarks:

Deck Officer)

*Revised by*
$$1 - \{U_{n,3}^{(2)}\}$$

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	Up.	M.		M. DOWN.	Up.	M.
8' 12	8' 24		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



5630  
7 H

Date, Aug 30, 1910

*Sdg. Mch.*

Reel 7 IV

Shot 1  
A... 10

*Ibs.*

Turns

Cor'n

Depth

*fms.**Sdg. Cup*

Amt. Bot'm  
Sample

### Character of Bottom

Thermom. { Make

Cor'n { Instr.  
Stem.

### Bottom Reading

Cor'd Temp.

Temp. Surf.

Time 8. 45 hr.

*Air*

*Density: Surf.*

*fms.*

Wind : Direction

*Force*

Baromet 30.07

*Amt. of  
Clouds*State of ...  
 Sec. ...

## Weather

*Direction and Force  
of Current.*

$$\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$$

Tide

### General Locality

### Position

Chart used: No.

 $Kel'm$ 

*Drift: Direction*

Distance

Depth of Haul

### Apparatus and Rig used

### Time towing

 $\beta$ 

774.

Remarks:

Deck Officer

Recorder

14-1029

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8	23	30	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

7  
 Dredge } No. 5631 Date, Aug 30, 1914  
 Hydrog. }  
 Sdg. Mch. T N Reel T N Shot 25 lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 59 fms.  
 Sdg. Cup Canning Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom Hard clay  
 Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_  
 Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { 15 Time 8.35 A } Air { 57 }  
 { \_\_\_\_\_ Time \_\_\_\_\_ { \_\_\_\_\_ }  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction 71. W Force 3  
 Baromet. 30.02 Amt. of Clouds 2 State of Sea 111  
 Weather bc  
 Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_  
 Tide \_\_\_\_\_  
 General Locality off Oregon Coast  
 Position \_\_\_\_\_  
 Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_  
 Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
 Depth of Haul \_\_\_\_\_  
 Apparatus and Rig used \_\_\_\_\_  
 Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
 Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_

Recorder \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 35	8 38		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5632 Date, Aug 30, 1914  
 Hydrog. }  
 Sdg. Mch. 725 Reel 718 Shot Lead 35 lbs.  
 Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 65 fms.  
 Sdg. Cup Armin Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom Hard Pan Bottom  
 Thermom. { Make N.B. Cor'n { Instr. \_\_\_\_\_  
 { No. L 47° R 46.5 { Stem. \_\_\_\_\_  
 Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { 52.5 Time 9:12 a Air { 57  
 { \_\_\_\_\_ Time \_\_\_\_\_ { \_\_\_\_\_  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction W Force 3  
 Baromet. 30.03 Amt. of Clouds 2 State of Sea 2-4  
 Weather bc  
 Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_  
 Tide \_\_\_\_\_  
 General Locality off Cape Arago  
 Position Cape Arago Light bears N 70 1/2° E (true)  
 Chart used: No. 6000 Ed'n \_\_\_\_\_ distant 8.4 miles  
 Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
 Depth of Haul \_\_\_\_\_  
 Apparatus and Rig used \_\_\_\_\_  
 Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
 Remarks: Found during 2.5' Am. Rtd at 11:59:00  
Capt during 4.5' Am Rtd at 12:11:00  
 Deck Officer M. J. [unclear] Recorder [unclear]  
 11-1023

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

8 16 5 17

0

100

200

300

400

500

600

700

800

110 m. or 550

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Echidna  
 water bottle  
 8 55 8 58 20  
 9 03 30 9 07

9. Set.  
 Dredge } No. 5637 Date, Aug. 30, 1911  
 Hydrog. }  
 Sdg. Mch. TN Reel 71 Shot Lead 32 lbs.  
 Turns 55 Cor'n Depth 30 fms.  
 Sdg. Cup Arming Amt. Bot'm Sample  
 Character of Bottom gy S  
 Thermom. { Make TN Cor'n { Instr.  
 { No. { Stem.  
 Bottom Reading Cor'd Temp.  
 Temp. Surf. { 46° Time 4:30 P.M. { 58°  
 { Time { Air {  
 Density: Surf. fms.  
 Wind: Direction NE Force 2  
 Baromet. 30.4 Amt. of Clouds 2 State of Sea m  
 Weather bc

Direction and Force of Current { Surface  
 { Bottom

Tide

General Locality

Position Cape Arago Light bears S 17° E (true) distant 2.6 miles  
 Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 1.50 L; 4:41:30  
 4:40:00

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. DOWN.		UP.	M.		M. DOWN.	UP.	M.
1	58	30	1	58	20		
1	57	00	1	57	15		
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			



10.

Depth } No. 5600 Date, May 20, 1910

Sdg. Mch. T.M. Reel 571 Shot Lead 32 lbs.

Turns 83 Cor'n Depth 45 fms.

Sdg. Cup Arming Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction N by W Force 2

Baromet. 30.01 Amt. of Clouds 2 State of Sea 1/4

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. J. Johnson Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 08 10	7 11 10		0			
2 10 00	7 10 20		45 400			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11.

Dredge } No. 5635 Date, Aug 19 14  
 Hydrog. }  
 Sdg. Mch. 7.15 Reel 75 Shot Lead 10 lbs.  
 Turns 99 Cor'n Depth 48 fms.  
 Sdg. Cup Amt. Bot'm Sample  
 Character of Bottom gy S

Thermom. { Make Cor'n { Instr.  
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
 Time

Density: Surf. fms.

Wind: Direction NW NW Force 2

Baromet. 30.04 Amt. of Clouds 2 State of Sea

Weather

Direction and Force of Current { Surface  
 Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Max. H. H. Recorder (Grake)

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
7	21	20	8	43	55	
7	21	55	7	22	05	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

12  
~~Dredge~~ } No. 5634 Date, May 30, 1912  
Hydrog. }  
Sdg. Mch. TN Reel 77 Shot/Lead 27 lbs.

Turns 106 Cor'n Depth 106 fms.

Sdg. Cup Aiming Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction N by W Force 2

Baromet. 30.02 Amt. of Clouds 3 State of Sea 77

Weather a

Direction and Force of Current { Surface Bottom

Tide

General Locality O. G. Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Recorder. 11-4023



13

*Investig.* } No. 5637 Date, \_\_\_\_\_, 1914  
*Hydrog.* }

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot Lead 25 lbs.

Turns 109 Cor'n \_\_\_\_\_ Depth 60 fms.

Sdg. Cup Armin Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom Scler. Sand.

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
 { \_\_\_\_\_ Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction NW Force 2

Baromet. 30.02 Amt. of Clouds 3 State of Sea 1

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Ocean Coast

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.						FMS.	DREDGING CABLE.			
M. Down.		Up.	M.				M. Down.	Up.	M.	
2	46	20	2	49	15	0				
2	47	00	2	47	25	100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
						1000				
						1100				
						1200				
						1300				
						1400				
						1500				
						1600				
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						4800				
						4900				



14.

Dredge } No. 5638 Date, Feb 19 1914  
Hydrog. }

Sdg. Mch. 7N Reel 7 Shot Lead lbs.

Turns 10 Cor'n Depth 62 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction N by W Force 2

Baromet. 30.22 Amt. of Clouds 2 State of Sea 7

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality Oregon Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. M. Recorder A. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
2 52	30 3	02 05	0			
2 57	30 2	03 00	62 <del>100</del>			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			1500			
			1600			
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			3700			
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			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

15.  
Dredge. } No. 5609 Date, Aug. 22, 1914  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel 711 Shot/Lead 27 lbs.

Turns 122 Cor'n \_\_\_\_\_ Depth 66 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                         { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { Time \_\_\_\_\_ } Air {  
                  { Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N.E. Force 2

Baromet. 30.1 Amt. of Clouds 3 State of Sea 2

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Ocean Coast

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

\_\_\_\_\_ Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_



116.  
Hydrog. } No. 5645 Date, June 10, 1911  
Sdg. Mch. 75 Reel 77 Shot/Lead 30 lbs.  
Turns 116 Cor'n Depth 62 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom fine sand  
Thermom. { Make Cor'n { Instr.  
                  { No.                   { Stem.  
Bottom Reading Cor'd Temp.  
Temp. Surf. { Time Air {  
                  { Time  
Density: Surf. fms.  
Wind: Direction 116 Force 2  
Baromet. 30.2 Amt. of Clouds 2 State of Sea 74  
Weather

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. DOWN.

UP.

M.

M. DOWN.

UP.

M.

2 20 30 2 22 30  
 3 21 30 2 21 35

0  
 63 100  
 200  
 300  
 400  
 500  
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 3700  
 3800  
 3900  
 4000  
 4100  
 4200  
 4300  
 4400  
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 4600  
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 4900

Dredge } No. 564 Date, June 1907  
Hydrog. }  
Sdg. Mch. 78 Reel Shot Lead 5 lbs.  
Turns 144 Cor'n Depth 78 fms.  
Sdg. Cup Arming Amt. Bot'm Sample  
Character of Bottom clean sand

Thermom. { Make Cor'n { Instr.  
                  { No.                   { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
                  { Time

Density: Surf. fms.

Wind: Direction 33.7 Force 2

Baromet. 30.02 Amt. of Clouds 2 State of Sea 98

Weather bc

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality Ocean Coast

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer W. J. Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.			Up.	M.			M. Down.	Up.	M.
3	32	30	3	36	00	0			
3	33	15	3	33	30	100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
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						3200			
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						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			



Dredge } No. *244* Date, *Aug. 10*, 19*11*  
Hydrog. }  
Sdg. Mch. *TN* Reel *77* Shot } *32* lbs.  
Lead }  
Turns *72* Cor'n \_\_\_\_\_ Depth *32* fms.  
Sdg. Cup *Alumina* Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom *sd. M.*

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { *47°* Time *5:55 P.M.* Air { *53°*  
Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction *SE x SW* Force *3*

Baromet. *30.02* Amt. of Clouds *3* State of Sea *G*

Weather *bc*

Direction and Force of Current { Surface \_\_\_\_\_  
Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality *Off Cape Cod*

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer

Recorder

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

551 70 554 00

552 10 552 20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

19

Bridge } No. 15-643 Date, July 31, 1914  
Hydrog. }Sdg. Mch. T. 21 Reel T. 1 Shot } 3.2 lbs.  
Lead }

Turns 64 Cor'n Depth 46 fms.

Sdg. Cup Aming Amt. Bot'm Sample

Character of Bottom Coarse sand

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 47° Time 10:00 Air { 14.2°  
Time

Density: Surf. fms.

Wind: Direction N x SE Force

Baromet. 30.02 Amt. of Clouds 3 State of Sea C

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Cape Cod

Position

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer T. 1 Recorder T. 1

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
6 04 10	6 07 10		0			
6 08 00	6 08 10		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2500			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
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			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

20

Dredge } No. 6644 Date, Aug 30, 1914  
Hydrog. }

Sdg. Mch. *T.M.* Reel *T.M.* Shot *32* Lead *lbs.*

Sdg. Mch. 9-21 Reel 728 Shot Lead 32 lbs.

Turns 21 Cor'n Depth 38 fms.

Sdg. Cup Asimina Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom. *hard T.M.*

Thermom.  $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$  \_\_\_\_\_ Cor'n  $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem} \end{array} \right.$

Bottom Reading Cor'd Temp.

Temp. Surf. { 47° Time 6:19 P.M. Air { 43°  
Time

Density: Surf. fms.

Wind: Direction *S. A. 21* Force *2-3*

Baromet. 30.02 Amt. of Clouds 4 State of Sea G

Weather 40

Direction and Force of Current.  $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

General Locality *Col. E. S. East*

Position

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction	
	Distance

Depth of Haul .. . . . . .

#### Apparatus and Rig used

Time towing h. m.

Remarks:

Deputy Clerk, *W. L. L. L.* Recorder, *(C. C. C. C.)*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		M. Down.	Up.	M.
6 15 20	6 17 20		0			
6 16 55	6 16 05		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			3200			
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			3400			
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			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

21

Lead } No. 5-6 1/5 Date, 1914

Sdg. Mch. T.H. Reel 7.7. ~~Shot~~ Lead 32 lbs.

Turns 7 Cor'n Depth 42 fms.

Sdg. Cup *Channing* Amt. Bot'm Sample

Character of Bottom *Calc. Li.*

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 47° Time 6:29 P. } Air { 63°  
Time

Density: Surf. fms.

Wind: Direction N x NE Force 2

Baromet. 30.02 Amt. of Clouds 4 State of Sea

Weather *bc*

Direction and Force of Current { Surface  
Bottom

Tide

General Locality *off Cape Cod*

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer *W. B. Phipps* Recorder *W. B. Phipps*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
6 26 10	6 29 00	00	0			
6 27 00	6 27 15		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2800			
			2900			
			3000			
			3100			
			3200			
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			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



Dredge } No. 5-676 Date, Aug 30, 1914  
 Hydrog. }  
 Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot/Lead 32 lbs.  
 Turns 71 Cor'n \_\_\_\_\_ Depth 38 fms.  
 Sdg. Cup *irring* Amt. Bot'm Sample \_\_\_\_\_  
 Character of Bottom *Mgy*  
 Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
 { No. \_\_\_\_\_ { Stem. \_\_\_\_\_  
 Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_  
 Temp. Surf. { *47°* Time *6:40 P.* } Air { *63°*  
 { \_\_\_\_\_ Time \_\_\_\_\_ } { \_\_\_\_\_  
 Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction *SE x SE* Force *2*  
 Baromet. *30.02* Amt. of Clouds *4* State of Sea *5*  
 Weather \_\_\_\_\_  
 Direction and Force of Current { Surface \_\_\_\_\_  
 { Bottom \_\_\_\_\_  
 Tide \_\_\_\_\_  
 General Locality *Off Oregon Coast*  
 Position \_\_\_\_\_  
 Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_  
 Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_  
 Depth of Haul \_\_\_\_\_  
 Apparatus and Rig used \_\_\_\_\_  
 Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.  
 Remarks: \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>R</i> M.		M. Down.	Up.	M.
63605	63830		0			
63705	63715		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 5647 Date, Aug 30, 1914

Sdg. Mch. 7. H. Reel 7. H. Shot Lead 8 lbs.

Turns 64 Cor'n Depth 34 fms.

Sdg. Cup Dinning Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 47° Time 6:50 P } Air { 63° Time

Density: Surf. fms.

Wind: Direction N x N Force 2

Baromet. 30.2 Amt. of Clouds 4 State of Sea G.

Weather bcg

Direction and Force of Current { Surface Bottom

Tide

General Locality Off Cape Cod

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		M. Down.	Up.	M.
6 47 30		6 48 05	0			
6 47 50		6 48 20	100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			1700			
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			3200			
			3300			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5648 Date, Aug 31, 1911  
Hydrog. }  
Sdg. Mch. 7 N Reel 7 N Shot } 25 lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 28 fms.

Sdg. Cup Arming Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom Fine sand

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
No. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 15.5 Time 5:21 } Air { 47  
Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction N. by W Force 2

Baromet. 30.25 Amt. of Clouds 4 State of Sea 2

Weather C. 2

Direction and Force of Current { Surface \_\_\_\_\_  
Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality off Oregon Coast

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer M. S. K. Recorder J. S. K.

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

5	21					0				
						100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
						1000				
						1100				
						1200				
						1300				
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						4700				
						4800				
						4900				

2  
Trawl No. 56110 Date, 100931, 1911  
Hydrog. No. 7 N Reel 1 N Shot Lead 2 lbs.  
Sdg. Mch. Turns Cor'n Depth 30 fms.  
Sdg. Cup Arming Amt. Bot'm Sample  
Character of Bottom Fine grey sand

Thermom. { Make Cor'n { Instr.  
                  { No.                   { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 11.5 Time 5:37 } Air { 11.7  
                  {                   Time                   {                   

Density: Surf. fms.

Wind: Direction 71. by 74 Force 2

Baromet. 30.5 Amt. of Clouds 11 State of Sea 9

Weather 8 S

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality Off Oregon Coast

Position

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

4 M. Down. Up. M.  
 5 37

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



Dredge } No. 5650 Date, Aug 31, 1911  
 Hydrog. }  
 Sdg. Mch. T N Reel T N Shot Lead lbs.  
 Turns Cor'n Depth fms.  
 Sdg. Cup *Armstrong* Amt. Bot'm Sample  
 Character of Bottom *fine grey sand*  
 Thermom. { Make Cor'n { Instr.  
 { No. { Stem.  
 Bottom Reading Cor'd Temp.  
 Temp. Surf. { *14.5* Time *5:46* } Air {  
 { Time }  
 Density: Surf. fms.  
 Wind: Direction *71 by 20* Force *2*  
 Baromet. *30.05* Amt. of Clouds *4* State of Sea *6*  
 Weather *CS*

Direction and Force of Current { Surface  
 { Bottom

Tide

General Locality

Position *Cape Arago light bears S 10° E (true) distant 5.4 miles*

Chart used: No. *6000* Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

*1st haul 5:30 P.M. at 8.30 m*  
*2nd haul 5:50 P.M. at 8.40 m*

Deck Officer

*W. G. H.*

Recorder

*W. G. H.*

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.			M. Down.	Up.	M.	
5 46				0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 3651 Date, Aug 31, 1914  
Hydrog. }

Sdg. Mch. 7 Reel Shot/Lead lbs.

Turns Cor'n Depth 58 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.08 Amt. of Clouds 3 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Mahoney Recorder 11-1023

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

9 20 9 23

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
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2800  
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3700  
3800  
3900  
4000  
4100  
4200  
4300  
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4600  
4700  
4800  
4900

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 71 fms

Character of Thin Ground

$\left. \begin{array}{l} \text{COR } n \\ \text{COR } n-1 \end{array} \right\} \text{Stem}$

116 Time 9.46 2.35

Time

Wind: Direction *20 7120* Force *1*

Weather: *bc*

Bottom

General Locality W. of New York City

Chart used: No. 6000 Ed'n \_\_\_\_\_

*Drift: Direction* *Distance*

Depth of Haul \_\_\_\_\_

#### Apparatus and Rig used

<i>Time towing</i>	<i>h,</i>	<i>m,</i>
--------------------	-----------	-----------

Remarks:

Deck Officer: \_\_\_\_\_ Recorder: \_\_\_\_\_

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Deck Officer *A. C. J. J.* Recorder *C. A. J. J.* 11-1027

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10 13	15 15		0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			



Arctic Hydrog. No. 54 Date, Aug 2, 1914  
Sdg. Mch. 7 Reel 7 Shot/Lead 5 lbs.  
Turns Cor'n Depth 35 fms.  
Sdg. Cup (Channing) Amt. Bot'm Sample  
Character of Bottom 7 1/2 Green mud

Thermom. { Make Cor'n { Instr.  
                  { No.                   { Stem.

Bottom Reading Cor'd Temp.  
Temp. Surf. { 116 Time 1:36 }  
                  {                   { Air { 56

Density: Surf. fms.  
Wind: Direction W N W Force 1  
Baromet. 30.5 Amt. of Clouds 3 State of Sea 5  
Weather A C

Direction and Force of Current { Surface  
  { Bottom  
Tide

General Locality Off Cape Cod

Position 41 12 N 70 11 W

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr Mahoney Recorder C. L. Cook

## SOUNDING WIRE.

*A* M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Bridge } No. 235 Date, July 1, 1905  
Hydrog. }  
Sdg. Mch. 71 Reel 111 Shot 25 lbs.  
Leads }  
Turns Cor'n Depth 51 fms.

Sdg. Cup. Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 57 Time 11.05 } Air { 59  
Time

Density: Surf. fms.

Wind: Direction N. N. W Force 1

Baromet. 30.08 Amt. of Clouds 2 State of Sea 5

Weather bc

Direction and Force of Current { Surface  
Bottom

Tide

General Locality off Oregon coast

Position Unisqua River Light bears S 85° E (true) distant 3.25 miles  
Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer M. W. Baker

## SOUNDING WIRE.

M. Down.	Up.	M.
11 25	11 07	

FMS.

## DREDGING CABLE.

M. Down.	Up.	M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
11	30	-	11	33	-			
				0				
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
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				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Hydrog. No. *722* Date, *Aug 21*, 19 *1901*

Sdg. Mch. *300* Reel *1* Shot *0* Lead *0* lbs.

Turns *0* Cor'n *0* Depth *0* fms.

Sdg. Cup *Alumina* Amt. Bot'm Sample *0*

Character of Bottom *fine m.*

Thermom. { Make *0* Cor'n { Instr. *0*  
No. *0* Stem. *0*

Bottom Reading *0* Cor'd Temp. *0*

Temp. Surf. { Time *0* Air *0*  
Time *0*

Density: Surf. *0* fms. *0*

Wind: Direction *7700* Force *1*

Baromet. *30.00* Amt. of Clouds *2* State of Sea *0*

Weather *bc*

Direction and Force of Current { Surface *0*  
Bottom *0*

Tide *0*

General Locality *0*

Position *Umpqua River Light bears S 26 1/2° E (true) distant 7.1 miles*

Chart used: No. *6000* Ed'n *0*

Drift: Direction *0* Distance *0*

Depth of Haul *0*

Apparatus and Rig used *0*

Time towing: *0* h. *0* m.

Remarks: *0*

Deck Officer *Mr. Mahony* Recorder *0*

## SOUNDING WIRE.

12 M. Down. Up. 12 M.

FMS.

## DREDGING CABLE.

--- M. Down. Up. --- M.

12

12 03

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900



11  
Sdg. Mch. T 11 Reel T 11 Shot Lead 34 lbs.

Turns Cor'n Depth 57 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air { Time

Density: Surf. fms.

Wind: Direction WNW Force 1

Baromet. Amt. of Clouds 2 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality Ocean Coast

Position Unipue River Light bears S 19° E (true) distant 9.8 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

## DREDGING CABLE.

C. M. Down. | Up. | M.

FMS.

M. Down. Up. M.

1226

1226

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

12  
Dredge } No. 527 Date, Aug 31, 1914  
Hydrog. }

Sdg. Mch. TN Reel TN Shot/Lead 32 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 55 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom fm m

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                   { Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction WNW Force 1

Baromet. 30.07 Amt. of Clouds 2 State of Sea 9

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality Oregon Coast

Position Unupqua River Light bears S14°E (true) distant 12.7 miles

Chart used: No. 6000 Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used \_\_\_\_\_

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks: \_\_\_\_\_

Deck Officer Mr. Pipp Recorder Ambil

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

12 47

12 50 02

0

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200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

13.

Dredge } No. 5660 Date, Aug 31, 1914  
 Hydrog. }  
 Sdg. Mch. T.N. Reel T.N. Shot 32 lbs.  
 Lead 25 fms.  
 Turns 101 Cor'n Depth 25 fms.  
 Sdg. Cup Arming Amt. Bot'm Sample  
 Character of Bottom clean (red?)

Thermom. { Make Cor'n { Instr.  
 No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
 Time

Density: Surf. fms.

Wind: Direction N N W Force 1

Baromet. 30.06 Amt. of Clouds 2 State of Sea 9

Weather bc

Direction and Force of Current { Surface  
 Bottom

Tide

General Locality Oregon Coast

Position Umpqua River Light bears S 11° E (true) distant 15.6 miles

Chart used: No. 6000 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. P. P. Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
1	14	20	1	16	30	0						
1	15	00	1	15	20	55	<del>100</del>					
						200						
						300						
						400						
						500						
						600						
						700						
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